

Figure 1

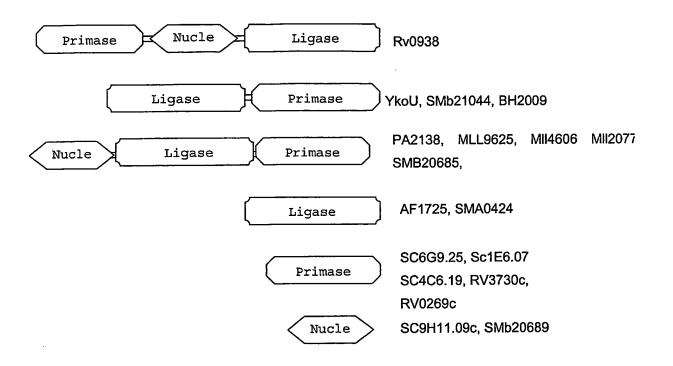


Figure 2

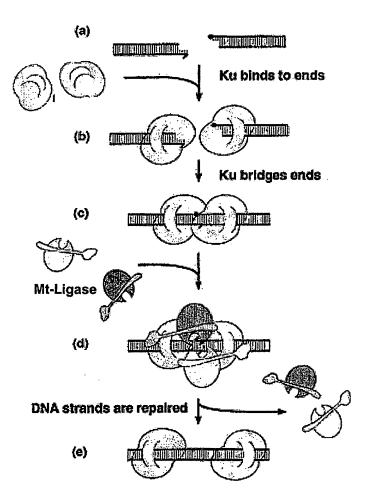


Figure 3

Mt-Ligase

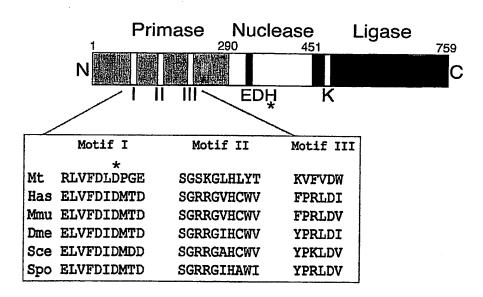
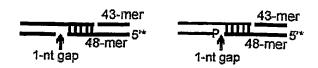


Figure 4

A.



В.

C.

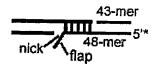
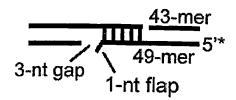
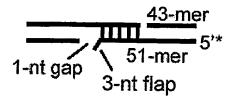


Figure 5

A



В



C

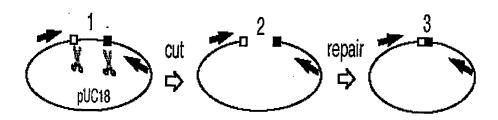


Figure 6

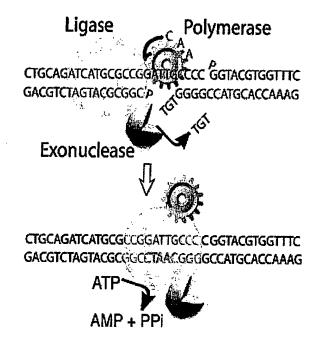


Figure 7

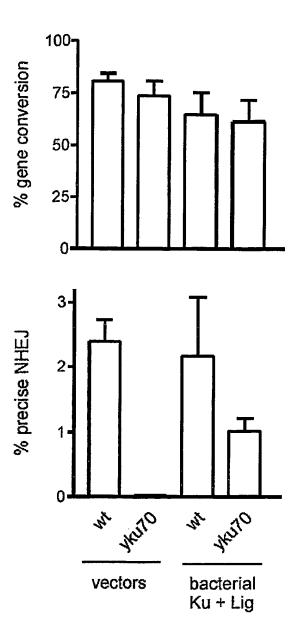


Figure 8

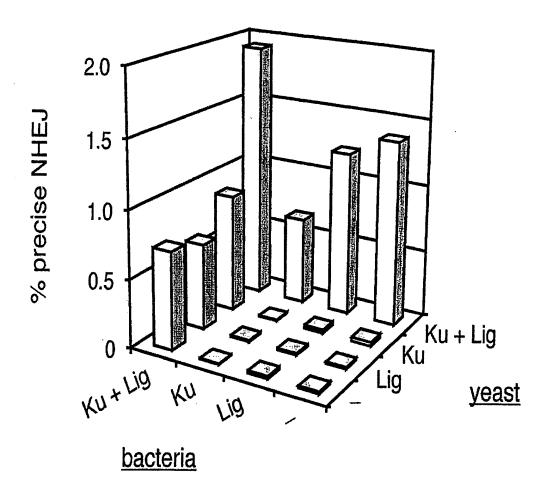


Figure 9

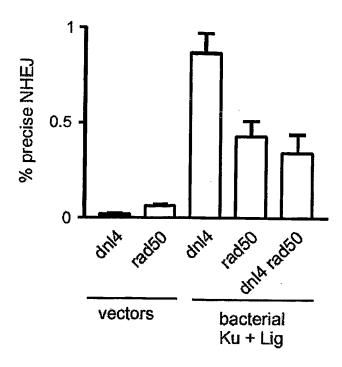


Figure 10

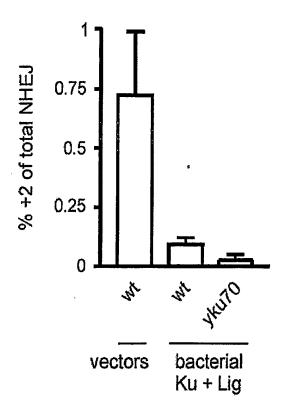


Figure 11

HO(+2) TACTGT GCG ACAACGC

HO(-1) TACTGTGCG ACGC

Figure 12



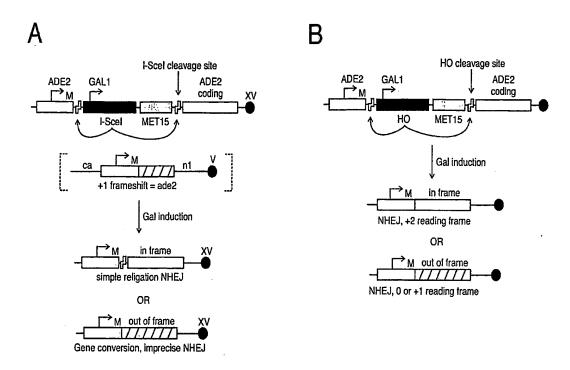


Figure 13